- n mktnghfkdfawkkcligasvgallvgcsphiletnevalklnyhpasekvgaldekill
- 61 Irpafqysdniakeyenkfknqtvlkveqilqnqgykvinvdssdkddfsfaqkkeqyla
- 121 vamnge<u>ivlrpdpkrtiqkksepg</u>llfst<u>gldkmeg</u>vlipagfvkvtilep<u>msgesld</u>sf
- 181 tmdlseldigekflktthsshsgglvstmvkgtdnsndalksalnkifgslmgeldkklt
- 241 gknlesygkdakelkgkrnr (SEQ ID NO:1

Fig. 1

dococcus pneumoniae pspA homologous sequence -> (SEQ ID NO:2)	×××IDK××IGK×LE×××,DA×EL××××
H. DWort (lageliar sheath adheston protein sequence -> (SEQ ID NO: 3)	H. Pyloni figgeliar sheath adhesion protein sequence -> MQEIDKKLTQKNLESYQKDAKELKGKRN (SEQID NO: 3)
Mycoplasma hominis Lp1 homologous sequence -> (SEQ_ID_NO; 4)	homologous sequence -> x x E 1 x K K L x x x x x E S x x K D A K E L x G x R N (SEQ ID NO: 4)

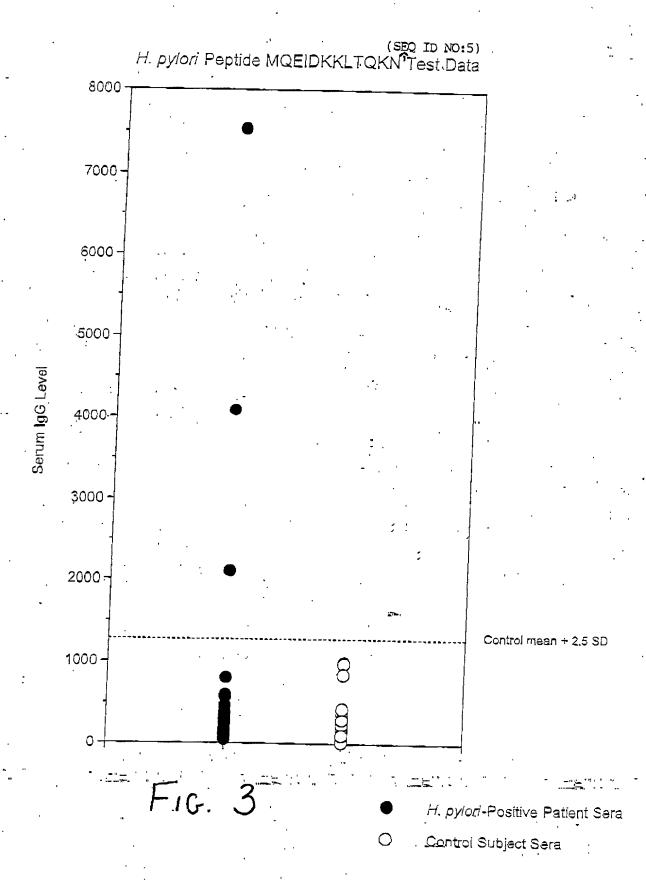
FIG La

EEB: 51: 5005 3:53bW

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itreptococcus pneumoniae pspA homologous sequence -> <	K × L E × x x × D A × E L ×	× × ×
oylori (lagellar sheath adheslon protein sequence -> (SEQ ID NO:3),	H. pyloni (lagellar sheath acheston protein sequence > MQEIDKKLTQKNLESY,QKDAKELKGKRN (SEQ ID NO:3).	× × ×
Mycoplosma haminis Lp1 homologous sequence -> (SEQ_ID_NO; 4)	* * E * K K L * * * * * E S * * K D A K E L * G * R N	Z
	Figure 3 Plot	Plot :

FIGAB

Figure 4 Plot



(SEQ ID NO:6) H. pylori Peptide KNLESYQKDA Data

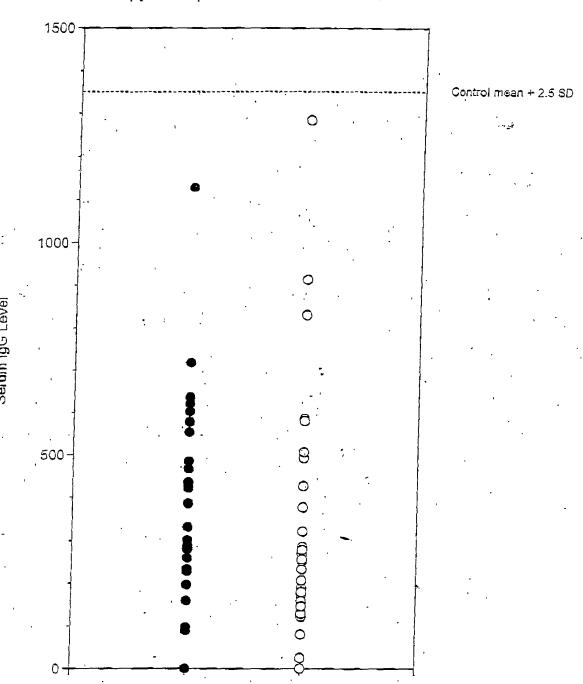


FIG. 4

- . H. pylori-Positive Patient Sera
- O Control Subject Sera

(SEQ ID NO:7)
H. pylori Peptide QKDAKELKGKRN Data

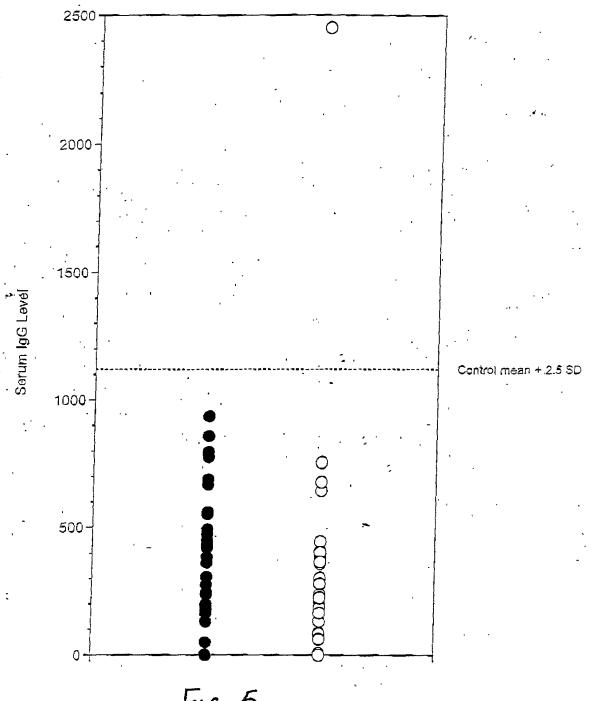


Fig 5

H. pylori-Positive Patient Sera

Control Subject Sera

F16.6

Parent H. pylori Protein

Adhesin.2

Iron-Regulated Outer
Membrane Protein

Lipid A Disaccharide Synthase

LPP20 Lipoprotein

Flagellar Sheath Adhesin

Outer Membrane Protein I

Outer Membrane Protein 19

Outer Membrane Porin 1

Outer Membrane Porin 2

Vacuolating Cytotoxin

Functionally Specific Peptide Antigens

LPALKENNGKV (SEQ ID NO: 8).

VTTKGERTFEYNN (SEQ ID NO:9)

LEQNEGFKRRV (SEQ ID NO: 10)

TVDASGKRSISG (SEQ ID NO: 11)

MQEIDKKLTQKN (SEQ ID NO: 12)

NTRYDRWAKD (SEQ ID NO: 13)

INGDKRTGGKPNTPE (SEQ ID NO: 14)

SSSEYEKLKA (SEQ ID NO: 15)

KEQHEAKGPDV (SEQ ID NO: 16)

QQTHRKINRP (SEQ ID NO: 17)

KQAEEANKTP (SEQ ID NO: 18)

KTPDKPDKVW (SEQ ID NO: 19)

FIG. 70. Number of 19G-Positive. Results On Individual Peptide Assays

Sublects														,
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FIG. 7b Mumber of lag-Positive, Results On Individual Peptide Assays

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Human Type II CollagenFunctionally Specific Peptide Antigens

QGQDVRQPG (SEQ ID NO: 20)

GRDGE (SEQ ID NO: 21)

GGFDEKAGGA (SEQ ID NO: 22)

WPGLPGA (SEQ ID: NO: 23)

GLPGTPGTDGPKGASGPAGPPGAQGPPG (SEQ ID NO: 24)

GPEGAPGKDGGRGLT, (SEQ ID NO: 25)

GEVGPPGPAGSAGARGAP (SEQ ID NO: 26)

TGPKGARGAQGPPGATGFPGAA (SEQ ID NO: 27).

NGNPGPPGPPGPS (SEQ ID NO: 28)

LQGPAGPP (SEQ ID NO: 29)

AVGAPGAPGPPGSPGPAGPTGKQGD (SEQ ID NO: 30)

KGHRGFTGLQ (SEQ ID NO: 31)

IGPPGPRGRSGETGPAGPPGN (SEQ ID NO: 32)

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